



Attorney's Docket No.: 07419-032001 / LA99-566-6

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Eisenberg et al.
Serial No. : 09/712,363
Filed : November 13, 2000
Title : DETERMINING THE FUNCTIONS AND INTERACTIONS OF PROTEINS BY
COMPARATIVE ANALYSIS

Art Unit : 1645
Examiner : Unknown

Commissioner for Patents
Washington, D.C. 20231

STATEMENT UNDER 37 CFR §1.821(f) AND (g)

I hereby state, as required by 37 C.F.R. §1.821(f), that the content of the paper and computer-readable copy of the Sequence Listing, submitted in accordance with 37 C.F.R. §§1.821(c) and (e), respectively, are the same.

I hereby state, as required by 37 C.F.R. §1.821(g), that the enclosed submission includes no new matter.

Respectfully submitted,

Date:

January 28, 2002

Mi K. Kim

Reg. No. 44,830

Fish & Richardson P.C.
4350 La Jolla Village Drive, Suite 500
San Diego, California 92122
Telephone: (858) 678-5070
Facsimile: (858) 678-5099

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the BOX SEQUENCE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

Date of Deposit

January 28, 2002

Signature

Lucille M. Bogala

Typed or Printed Name of Person Signing Certificate

Lucille M. Bogala



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RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS
FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE AND/OR AMINO ACID SEQUENCES

In response to the communication dated November 27, 2001 (copy enclosed), applicants submit herewith a Sequence Listing in computer readable form as required by 37 CFR §1.824. In addition, applicants submit an initial Sequence Listing as required under 37 CFR §1.823(a) and a statement under 37 CFR §1.821(f).

Applicants respectfully request entry of the paper copy and computer readable copy of the Sequence Listing filed herewith for the instant application. Furthermore, applicants request entry of the following amendments.

In the specification:

Insert the paper copy of the Sequence Listing filed herewith following the Oath/Declaration.

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Lucille M. Begalla

Lucille M. Begalla

Applicant : Eisenberg et al.
Serial No. : 09/712,363
Filed : November 13, 2000
Page : 2

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Replace the paragraph beginning at page 189, line 6, with the following rewritten paragraph:

-->Rv3607c folX may be involved in folate biosynthesis TB.seq 4048744:4049142
MW:14553 **SEQ ID NO:291**
MADRIELRGLTVHGRHGVYDHERVAGQRFVIDVTWIDLAEAANSDDLADTYD
YVRLASRAAEIVAGPPRKLIETVGAEIADHVMDDQRVHAVEVAVHKPQAPIPQT
FDDVAVVIRRSRRGGRGWVVPAGGAV--

Replace the paragraph beginning at page 189, line 20, with the following rewritten paragraph:

-->Rv3610c ftsH inner membrane protein, chaperone TB.seq 4050601:4052880
MW:81987 **SEQ ID NO:292**
MNRKNVTRTITAIAVVVLLGWSFFYFSDDRGYKPVDTSTVAITQINGDNVKSQAI
DDREQQLRLILKKGNNETDGSEKVITKYPTGYAVDLFNALSAKNAKVSTVVNQG
SILGELLVYVLPLLLLVLGLFVMFSRMQGGARMGFGFGKSRKQLSKDMPKTTFA
DVAGVDEAVEELYEIKDFLQNPSRYQALGAKIPKGVLLYGPPGTGKTLLARAVA
GEAGVPFFTISGSDVFVEMFVGVGASRVLDLFEQAKQNSPCIIFVDEIDAVGRQRG
AGLGGGHDEREQTLNQLLVEMDGFGRAGVILIAATNRPDILDPALLRPGRFDR
QIPVSNPDLAGRRAVLRVHSGKPKMAADADLDGLAKRTVGMTGADLANVINEA
ALLTARENGTVITGPALAEA VDRVIGGPRRKGRRISEQEKKITAYHEGGHTLAAW
AMPDIEPIYKVITILARGRTGGHAVAVPEEDKGLRTRSEMIAQLVFAMGGRAAEE
LVFREPTTGAVSDIEQATKIARSMVTEFGMSSKLGAVKYGSEHGDPFLGRTMGT
QPDYSHEVAREIDEEVRKLI EAAHTEAWEILTEYRDVLDTLAGELLEKETLHRPE
LESIFADVEKRPRLTMFDDFGGRIPSDKPKIPTGELAIERGEPPWPQVPEPAFKAA
IAQATQAAEAARS DAGQTGHGANGSPAGTHRSGDRQYGSTQPDYGAPAGWHA
PGWPPRSSHRPSYSGEPAPTYPGQPYPTGQADPGSDESSAEQDDEVSRTPAHG--

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REMARKS

Applicants hereby submit that the enclosures fulfill the requirements under 37 C.F.R. §1.821-1.825. The amendments in the specification merely insert the paper copy of the Sequence Listing and sequence identifiers in the specification. No new matter has been added.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment.

Please apply any charges or credits to Deposit Account No. 06-1050, referencing attorney docket no. 07419-032001

Respectfully submitted,

Date:

January 28, 2002

Gregory P. Einhorn 44,830
Gregory P. Einhorn
Reg. No. 38,440

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"Version With Markings to Show Changes Made"

In the specification:

Paragraph beginning at page 189, line 6, has been amended as follows:

>Rv3607c folX may be involved in folate biosynthesis TB.seq 4048744:4049142
MW:14553 **SEQ ID NO:291**
MADRIELRGLTVHGRHGVYDHERVAGQRFVIDVTWIDLAEAAANSDDLADTYD
YVRLASRAAEIVAGPPRKLIETVGAEIADHVMDDQRVHAVEVAVHKPQAPIPQT
FDDVAVVIRRSRRGGRGWVVPAGGAV

Paragraph beginning at page 189, line 20, has been amended as follows:

>Rv3610c ftsH inner membrane protein, chaperone TB.seq 4050601:4052880
MW:81987 **SEQ ID NO:292**
MNRKNVTRTITAIAVVLLGWSFFYFSDDTRGYKPVDTSVAITQINGDNVKS AQI
DDREQQLRLILKKGNNETDGSEKVITKYPTGYAVDLFNALSAKNAKVSTVVNQG
SILGELLVYVLP LLLL VGLFVMFSRMQGGARMGFGFGKSR AKQLSKDMPKTTFA
DVAGVDEAVEELYEIKDFLQNPSRYQALGAKIPKGVLLYGPPGTGKTLARAVA
GEAGVPFFTISGSD FVEMFVGVGASVRDLFEQAKQNSPCIIFVDEIDAVGRQRG
AGLGGGHDEREQTLNQLLVEMDGF GDRAGVILIAATNRPDILDPALLRPGRFDR
QIPVSNPDLAGRRAVLRVHSGKGKPM AADADLDGLAKRTVGMTGADLANVINEA
ALLTARENGTVITGPALEEAVDRVIGGPRRKGR IISEQEKKITAYHEGGHTLAAW
AMPDIEPIYKV TILARGRTGGHAVAVPEEDKGLRTRSEMIAQLVFAMGGRAAEE
LVFREPTTGAVSDIEQATKIARSMVTEFGMSSKLGA VKYGSEHGDPFLGR TMGT
QPDYSHEVAREIDEEVRKLI EAAHTEAWEILTEYRDVLDTLAGELLEKETLHRPE
LESIFADVEKR PRLTMFDDFGGRIPSDKPP IKT PGELAIERGEWPQVPPEPAFKAA
IAQATQAAEAARSDAGQTGHGANGSPAGTHRSGDRQYGSTQPDY GAPAGWHA
PGWPPRSSHRPSYSGEPAPTYPGQPYPTGQADPGSDESSAEQDDEVSR TKPAHG



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VERIFIED STATEMENT UNDER 37 CFR §1.821(f)

I, Katica Magovcevic, declare that I personally prepared the paper and the computer-readable copy of the Sequence Listing filed herewith for the above-identified application and that the content of both is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 1/25/02

Katica Magovcevic
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